

SURGICAL ACCESS DEVICE WITH FLOATING GEL SEAL

ABSTRACT

5 A trocar is provided with a cannula and a housing and valve assembly disposed in the housing which forms a housing seal, and instrument seal, and in some cases a zero seal. A gel material is included in the valve and provides the valve with superior flotation properties for maintaining the instrument seal even when the instrument is moved off-axis. In order to accommodate
10 movement of the gel material, voids can be formed within the valve housing and even within the gel material.

SEARCHED INDEXED
SERIALIZED FILED
APR 26 1988
U.S. PATENT AND TRADEMARK OFFICE